

# [INTERNET-PROTOCOL (IP) PHONE WITH BUILT-IN GATEWAY AS WELL AS TELEPHONE NETWORK STRUCTURE AND MULTI-POINT CONFERENCE SYSTEM USING IP PHONE]

## Abstract

An internet-protocol (IP) phone having a built-in network gateway with three terminals is provided. A signal entering from one terminal can be simultaneously converted and transmitted to the other two terminals. The three terminals include an IP terminal, a POTS terminal and a local phone terminal. Moreover, a multiple of the aforementioned IP phones can be cascaded together through common IP terminals or POTS terminals to form a telephone network. In addition, at least one other telephone can be optionally coupled to the telephone network. The other telephone can be different from the IP phone with the built-in gateway. As a result, all users connected to the telephone network can hold a conference.